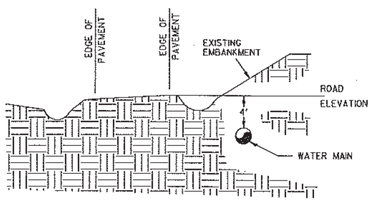
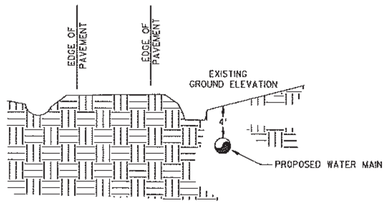
1

WHERE GROUND ELEVATION IS ABOVE ROAD ELEVATION

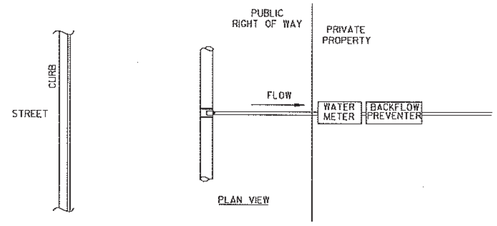


NOTE: UNLESS OTHERWISE INDICATED ON PLANS, PIPE TO BE INSTALLED WITH A MINIMUM OF 4 FEET OF SOIL COVER AND BE 4 FEET BELOW THE ROADWAY. PIPE SHALL BE LAYED IN THE BACK 5' OF THE RIGHT OF WAY.

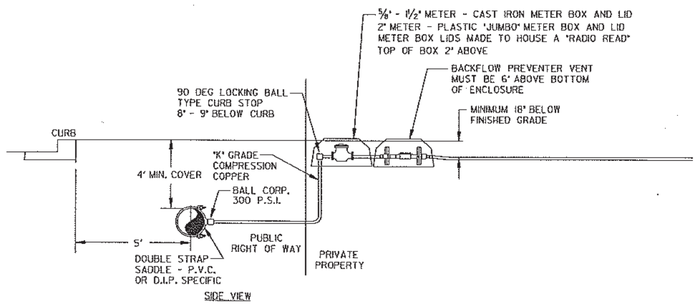
WHERE GROUND ELEVATION IS BELOW ROAD ELEVATION



NOTE: THE WATER MAIN SHALL BE LOCATED WITHIN THE BACK FIVE (5) FEET OF THE RIGHT-OF-WAY. THE PIPE SHALL BE INSTALLED WITH A MINIMUM OF 4 FEET OF SOIL COVER AND BE 4 FEET BELOW THE ROADWAY. THE PIPE SHALL NOT EXCEED 6 FEET OF COVER UNLESS ADVANCE WRITTEN APPROVAL IS OBTAINED FROM THE FORSYTH COUNTY DEPARTMENT OF WATER AND SEWER.

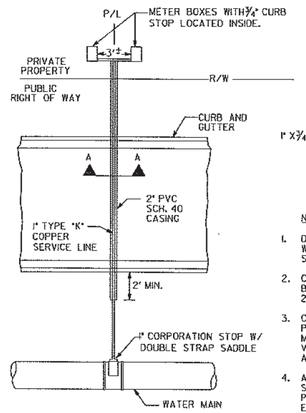


PLAN VIEW

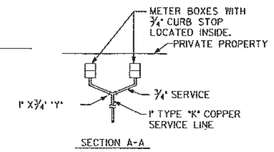


SIDE VIEW

WATER METER BOX
2" AND SMALLER



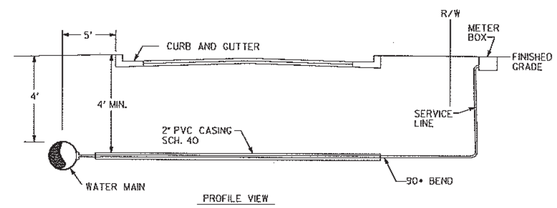
PLAN VIEW



SECTION A-A

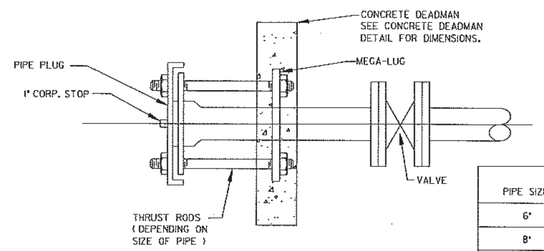
NOTES:

1. DOUBLE SERVICE LINES TO BE 1" WITH 3/4" WYES TO METER BOXES. SINGLE SERVICE LINES TO BE 3/4".
2. CURB STOPS SHALL BE 300 P.S.I. BALL-TYPE METER VALVES (MUELLER 24258) OR APPROVED EQUAL.
3. CORPORATION STOPS SHALL BE 300 P.S.I. BALL-TYPE CORPORATION VALVES, MUELLER 300 P.S.I. BALL CORPORATION VALVE (MUELLER B-25008) OR APPROVED EQUAL.
4. ADAPTERS, WYES AND ALL FITTINGS SHALL BE BRONZE 300 P.S.I. WORKING PRESSURE (MUELLER 110) OR APPROVED EQUAL.



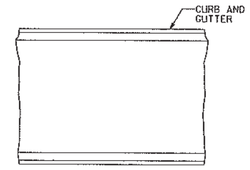
PROFILE VIEW

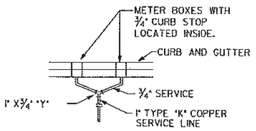
LONG SIDE SERVICE



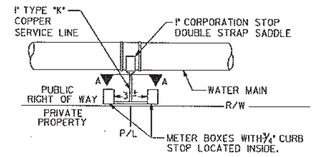
PIPE SIZE	ROD SIZE	NUMBER OF RODS
6"	3/4"	2
8"	3/4"	3
10"	3/4"	4
12"	3/4"	4
14"	3/4"	4
16"	3/4"	6

DEADMAN FOR PLUG





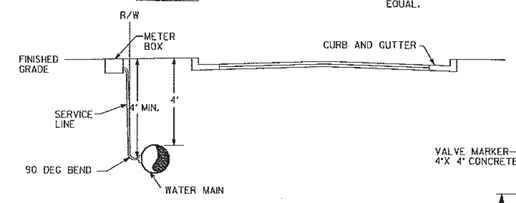
SECTION A-A



PLAN VIEW

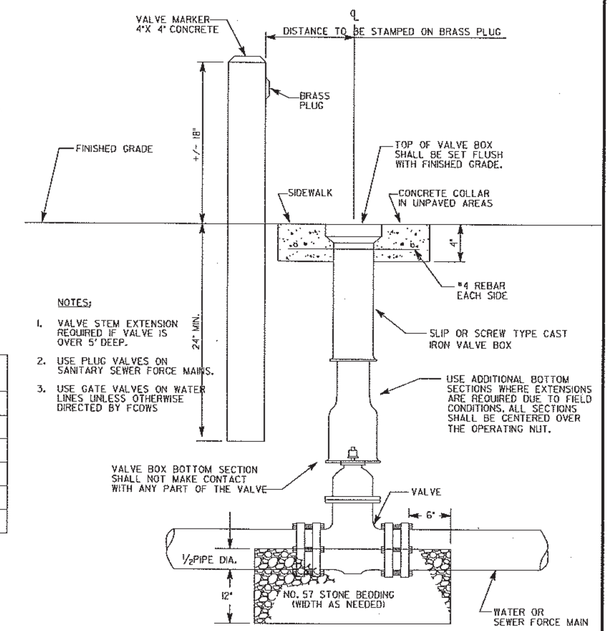
NOTES:

1. DOUBLE SERVICE LINES TO BE 1" WITH 3/4" WYES TO METER BOXES. SINGLE SERVICE LINES TO BE 3/4".
2. CURB STOPS SHALL BE 300 P.S.I. BALL-TYPE METER VALVES (MUELLER 24258) OR APPROVED EQUAL.
3. CORPORATION STOPS SHALL BE 300 P.S.I. BALL-TYPE CORPORATION VALVES, MUELLER 300 P.S.I. BALL CORPORATION VALVE (MUELLER B-25009) OR APPROVED EQUAL.
4. ADAPTERS, WYES AND ALL FITTINGS SHALL BE BRONZE 300 P.S.I. WORKING PRESSURE (MUELLER 110) OR APPROVED EQUAL.



PROFILE VIEW

SHORT SIDE SERVICE



NOTES:

1. VALVE STEM EXTENSION REQUIRED IF VALVE IS OVER 5' DEEP.
2. USE PLUG VALVES ON SANITARY SEWER FORCE MAINS.
3. USE GATE VALVES ON WATER LINES UNLESS OTHERWISE DIRECTED BY FCDWS

NOTES: 1. VALVE BOX SHALL NOT BE SET IN A DEPRESSED AREA.
2. SHALL BE MARKED AS CLOSE AS POSSIBLE TO THE VALVE BOX BUT OUTSIDE THE ROAD CLEAR ZONE.

VALVE BOX

BLACK & VEATCH
Building a world of difference.

REVISION DATES		
BY	REVISION	DATE
RNK	1	4/8/13

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

FORSYTH COUNTY WATER LINE RELOCATION DETAILS (1 OF 3)

DRAWING NO. 44-05

3/1/2007 GPLN